

ABSTRACT

Vascular embolic filtering devices and systems, as well as methods for
5 using the same, are provided. The embolic filtering device includes a guide wire
and an associated embolic filter for capturing emboli created during interventional
procedures within a target vessel. Features of the subject devices and system
provide for delivering of the guide wire independently of the filter, rotating of the
guide wire with respect to the filter and limiting or preventing the proximal
10 translation of the filter with respect to the guide wire. The embolic filter is
attached to a sheath having either a shorter-length configuration or an extended-
length configuration. The guide wire comprises a proximal stop mechanism
engageable with the sheath to limit at least the proximal translation of the embolic
filter. The subject embolic filter systems provide such guide wires and embolic
15 filters, as well as and an embolic filter delivery, deployment and removal
assembly. The methods of the present invention provide for the use of the subject
devices and systems.